Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/14/2021 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124323	-1	2.96	124443	2.98
Blue	F	SSC	125000	122791	-2	3.80	123602	3.76
Blue	E	FITC	14203	13732	-4	3.09	298	15.39
Blue	D	PE	25703	25284	-2	2.84	546	11.08
Blue	B	PerCP-Cy5-5	42104	41516	-2	3.48	929	14.83
Blue	A	PE-Cy7	34646	34359	-1	4.70	492	29.65
Red	C	APC	49824	49378	-1	2.93	1509	11.47
Red	A	APC-Cy7	39773	38895	-3	2.97	726	11.67
Violet	B	V450	7447	7127	-5	3.85	404	12.32
Violet	A	V500	31193	30123	-4	3.67	685	10.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21580	3.31	548	-8	N/A	N/A	Pass
Blue	F	SSC	54327	3.33	512	0	N/A	N/A	Pass
Blue	E	FITC	54	53.22	484	-2	0.0398	86	Pass
Blue	D	PE	108	38.51	486	1	0.3235	218	Pass
Blue	B	PerCP-Cy5-5	178	36.19	578	1	0.0188	56	Pass
Blue	A	PE-Cy7	112	64.86	622	2	0.0215	3	Pass
Red	C	APC	351	23.86	567	0	0.0274	75	Pass
Red	A	APC-Cy7	201	24.86	543	-1	0.0065	945	Pass
Violet	B	V450	89	39.54	453	4	0.0468	1343	Pass
Violet	A	V500	119	28.18	471	4	0.0248	482	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.44	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	20.94	15.99 - 23.99	N/A	N/A	29.70	30.04	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11253

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments